

List of Abbreviations

ACTH	Adrenocorticotropin
AGD	Anogenital distance
AhR	Arylhydrocarbon receptor
AIS	Androgen Insufficiency Syndrome
AMAP	Arctic Monitoring Assessment Programme
AOACI	Association of Official Analytical Chemists International
APEs	Alkylphenol ethoxylates
APEOs	Alkylphenol polyethoxylates
AR	Androgen receptor
ARNT	AhR nuclear translocator
AFP	Alpha fetoprotein
AVP	Arginine vasopressin
BBP	Butylbenzyl phthalate
BCF	Bioconcentration factor
BHC	Benzene hexachloride
BKME	Bleached kraft mill effluent
BNF	beta-Naphthoflavone
BPA	Bisphenol A
CALUX	Chemical activated luciferase gene expression
cAMP	Cyclic AMP
CB 105	2,3,3,4,4-pentachlorobiphenyl
CB 118	2,3,4,4,5-pentachlorobiphenyl
CB 138	2,2,3,4,4,5-hexachlorobiphenyl
CB 153	2,2,4,4,5,5-hexachlorobiphenyl
CB 180	2,2,3,4,4,5,5-heptachlorobiphenyl
C 1	Dihydroheptachlor
CBG	Corticotropin binding globulin
CDC	Centers for Disease Control
CHO	Chinese Hamster Ovary
CI	Confidence interval
CIS	Carcinoma <i>in situ</i>
CNS	Central Nervous System

CRH	Corticotropin releasing hormone
DBCP	Dibromodichloropropane
DBP	Di-n-butyl phthalate
DDE	Dichlorodiphenyl dichloroethylene
DEHP	Diethylhexyl phthalate
DES	Diethylstilbestrol
DINP	Di-isonyl phthalate
DDT	Dichlorodiphenyltrichloroethane
DHEA	Dihydroepiandrosterone
DHP	Dihexyl phthalate
DHT	5 α -dihydrotestosterone
DRE	Dioxin response element
DTH	Delayed type hypersensitivity
E ₂	17- β estradiol
EDCs	Endocrine disrupting chemicals
ECETOC	European Centre for Ecotoxicology and Toxicology of Chemicals
EGCG	Epigallocatechin gallate
EGF	Epidermal growth factor
ELISA	Enzyme linked immunosorbent assay
EMS	Early mortality syndrome
EO	Ethoxy units
ER	Estrogen receptor (α and β isoforms)
EROD	Ethoxresorutin dehydroxylase
EUSES	European existing substances regulation
FSH	Follicle stimulating hormone
Gal ₄ -HEGO	Gal ₄ -human estrogen receptor construct
GD	Gestational day
GH	Growth hormone
GLEMEDs	Great Lakes Embryo Mortality, Edema, and Deformity Syndrome
GnRH	Gonadotropin releasing hormone
GR	Glucocorticoid receptor
GTH	Gonadotropin (isoforms I and II)
HCB	Hexachlorobenzene

HIF-1 α	Hypoxia induction factor - 1 alpha
HPA	Hypothalamic-Pituitary-Adrenal Axis
HPG	Hypothalamic-Pituitary-Gonadal Axis
HPI	Hypothalamic Pituitary-Interrenal Axis
HPLC	High Performance liquid chromatography
HPOA	Hypothalamic Preoptic Area
HPT	Hypothalamic-Pituitary-Thyroid Axis
HPTE	2,2-bis(p-hydroxyphenyl)-1,1,1-trichloroethane
HRT	Hormone replacement therapy
IARC	International Agency for Research on Cancer
IL	Interleukins
ILO	International Labour Organization
ILSI	International Life Sciences Institute
IOMC	Inter-Organisation Programme for the Sound Management of Chemicals
IPCS	International Programme on Chemical Safety
ISO	International Standardization Organization
IUGR	Intrauterine growth retardation
IUPAC	International Union of Pure and Applied Chemistry
JEA	Japan Environment Agency
LA	Los Angeles
LE	Long Evans
LH	Luteinizing hormone
LOAEL	Lowest observed adverse effect level
LRT	Long range transport
M1	Vinclozolin metabolite
M2	Vinclozoline metabolite
MALT	Mucosa associated lymphoid tissue
MBP	Mono-butylphthalate
MBT	Mono-butylin
MEHP	Mono-ethylhexylphthalate
MIH	Mullerian Inhibiting Hormone
MIS	Anti-M μ llerian substance
MOA	Mechanism/mode of action

MPS	Mononuclear phagocyte system
MRC	Medical Research Council
MXC	Methoxychlor
NHANES	National Health and Nutrition Survey
NIST	National Institute of Standards and Technology
NOAEL	No observed adverse effect level
NP	Nonylphenol
NPEs	Nonylphenol ethoxylates
NPECs	Nonylphenol polyethoxycarboxylates
PNEOs	Nonylphenol polyethoxylates
NRC	National Research Council
NTP	National Toxicology Program
NYC	New York City
OCs	Organochlorines
OECD	Organisation for Economic Co-operation and Development
OR	Odds ratio
OVX	Ovarectomy
PAH	Polyaromatic hydrocarbons
PBBs	Polybrominated biphenyls
PBDEs	Polybrominated diphenylethers
PCBs	Polychlorinated biphenyls
PCCs	Polychlorinated camphenens
PCHs	Polychlorinated halogens
PCOS	Polycystic ovarian syndrome
PCDDs	Polychlorinated dibenzodioxins
PCDFs	Polychlorinated dibenzofurans
PGs	Prostaglandins
PHAHs	Polyhalogenated aromatic hydrocarbons
PND	Postnatal day
POPs	Persistent organic pollutants
PPR	Precloacal length to the posterior lobe of the plastron
PR	Progesterone receptor
PRL	Prolactin
QA/QC	Quality assurance/quality control

RA	Retinoic acid
RACB	Reproductive assessment through continuous breeding
RR	Risk ratio
RU-486	Mifepristone
SARMs	Selective androgen receptor modulators
SARs	Structure activity relationships
SCOOP	Scientific Cooperation on Questions Relating to Food
SD	Sprague Dawley
SDN	Sexually dimorphic nucleus
SEPA	Swedish Environmental Protection Agency
SERMs	Selective estrogen receptor modulators
SETAC	Society for Environmental Toxicology and Chemistry
SHBG	Sex hormone-binding globulin
SOPs	Standard operating procedures
SRC	Steroid receptor signaling
STW	Sewage treatment works
T	Testosterone
T ₃	Triiodothyronine
T ₄	Thyroxine
TBT	Tributyltin
TCDD	2,3,7,8-tetrachlorodibenzyl-p-dioxin
TCMP	Tris(4-chlorophenyl methanol)
TEF	Toxic equivalent factors
TEQs	Toxic equivalent quotients
TIE	Toxic Identification evaluation approach
TNF	Tumor necrosis factor
TPO	Thyroid peroxidase inhibitors
TRH	Thyrotropin releasing hormone
TSD	Temperature-dependent sex determination
TSH	Thyroid stimulating hormone
TTR	Trans thyrethin
UBA	Umweltbundesamt (German Environmental Agency)
UNEP	United Nations Environment Programme
USA	United States of America

USDA	United States Department of Agriculture
US EPA	United States Environmental Protection Agency
US FDA	United States Food and Drug Administration
USGS	United States Geological Service
VTG	Vitellogenin
WHO	World Health Organization
2-4-D	2,4,-dichlorophenoxyacetic acid
11-KT	11-ketotestosterone